

## Author Index

- Agüí, L.  
—, González-Cortés, A., Yáñez-Sedeño, P. and Pingarrón, J.M.  
Continuous monitoring of amino acids and related compounds with poly(3-methylthiophene)-coated cylindrical carbon fiber microelectrodes 145
- Akhtar, M.H., see Arrebola, F.J. 45
- Antelo, J.M., see Carballeira, J.L. 243
- Appleton, J., see Lochner, F. 299
- Araújo, M.C.U., see Vêras, G. 215
- Arce, F., see Carballeira, J.L. 243
- Arrebola, F.J.  
—, Martínez-Vidal, J.L., Fernández-Gutiérrez, A. and Akhtar, M.H.  
Monitoring of pyrethroid metabolites in human urine using solid-phase extraction followed by gas chromatography-tandem mass spectrometry 45
- Atsuya, I., see Zhang, Q. 277
- Bachmann, T.T.  
— and Schmid, R.D.  
A disposable multielectrode biosensor for rapid simultaneous detection of the insecticides paraoxon and carbofuran at high resolution 95
- Baffi, F., see Pesavento, M. 265
- Bang, L.  
— and Tan, W.  
Two-dimensional biochemical imaging sensor for spatially resolved glutamate monitoring 91
- Bauman, R., see Edwards, J.L. 209
- Bautista, J.A. García, see Palomeque, M. 229
- Bied-Charreton, C., see Delmarre, D. 125
- Biesuz, R., see Pesavento, M. 265
- Boujtita, M., see Ramirez Molina, C. 155
- Brabcová, M., see Němcová, I. 223
- Branica, M., see Pižeta, I. 163
- Brzózka, Z., see Wróblewski, W. 105
- Cagnini, A., see Malavolti, E. 129
- Calatayud, J. Martínez, see Palomeque, M. 229
- Caputo, G., see Malavolti, E. 129
- Carballeira, J.L.  
—, Antelo, J.M., Rey, F. and Arce, F.  
Modeling the effects of ionic strength on ionization parameters for a soil fulvic acid at low concentrations 243
- Cardwell, T.J., see Newcombe, D.T. 137
- Cattrall, R.W., see Newcombe, D.T. 137
- Chmurzyński, J., see Zielińska, J. 317
- Chudy, M., see Wróblewski, W. 105
- Claes, M., see Spolnik, Z.M. 293
- Cooke, M., see Lochner, F. 299
- Cosnier, S., see Senillou, A. 117
- Curtius, A.J., see da Silva, J.B.B. 307
- da Silva, J.B.B.  
—, Giacomelli, M.B.O., de Souza, I.G. and Curtius, A.J.  
Expanding the working concentration range for the direct analysis of metallic alloys by on-line anodic electrodisolution and electrothermal atomic absorption spectrometry 307
- de Souza, I.G., see da Silva, J.B.B. 307
- Della Ciana, L., see Malavolti, E. 129
- Delmarre, D.  
—, Méallet-Renault, R., Bied-Charreton, C. and Pasternack, R.F.  
Incorporation of water-soluble porphyrins in sol-gel matrices and application to pH sensing 125
- Dybko, A., see Wróblewski, W. 105
- Edwards, J.L.  
—, Bauman, R. and Spence, D.M.  
Air segmented continuous flow analysis in microbore tubing 209
- El Murr, N., see Ramirez Molina, C. 155
- Emmer, Á., see Litborn, E. 11
- Evmiridis, N.P., see Thanasoulas, N.K. 197
- Facal, P., see Iglesias-Fernández, O. 251
- Fang, Y., see Li, D.-H. 185
- Fernández-Gutiérrez, A., see Arrebola, F.J. 45
- Funada, Y.  
— and Hirata, Y.  
Development of a simulation program for the analysis of oils and fats by subcritical fluid chromatography 73
- García Mateo, J.V., see Palomeque, M. 229
- Giacomelli, M.B.O., see da Silva, J.B.B. 307
- Gnecco, C., see Pesavento, M. 265
- González, M., see Iglesias-Fernández, O. 251
- González-Cortés, A., see Agüí, L. 145
- Grotti, M., see Magi, E. 55
- Harms, D.  
—, Meyer, J., Westerheide, L., Krebs, B. and Karst, U.

- Determination of glucose in soft drinks using its enzymatic oxidation and the detection of formed hydrogen peroxide with a dinuclear iron(III) complex 83
- Havelcová, M., see Němcová, I. 223
- Hill, S.J., see Shaw, M.J. 65
- Hirata, Y., see Funada, Y. 73
- Honorato, R.S., see Vêras, G. 215
- Ianni, C., see Magi, E. 55
- Iglesias-Fernández, O.  
—, Facal, P., González, M. and Rey, F.  
Conductimetric analysis of the interaction of Cu(II) ions and a humic-like natural polyelectrolyte (*Laurel, Laurus nobilis*) mixture 251
- Inoue, S., see Zhang, Q. 277
- Jaffrezic, N., see Senillou, A. 117
- Jones, P., see Shaw, M.J. 65
- Karamertzanis, P., see Statheropoulos, M. 35
- Karst, U., see Harms, D. 83
- Karst, U., see Meyer, J. 191
- Katsu, T., see Xu, D. 111
- Keenan, F., see Lochner, F. 299
- Kolev, S.D., see Newcombe, D.T. 137
- Krebs, B., see Harms, D. 83
- Lämmerhofer, M., see Lesnik, J. 3
- Lesnik, J.  
—, Lämmerhofer, M. and Lindner, W.  
Fourier transform infrared spectroscopic characterization of complexes of carbamoylated quinidine chiral selector and *N*-derivatized leucine enantiomers in solution. Evidence for stereo-selective intermolecular interactions 3
- Li, D.-H.  
—, Yang, H.-H., Zhen, H., Fang, Y., Zhu, Q.-Z. and Xu, J.-G.  
Fluorimetric determination of albumin and globulin in human serum using tetra-substituted sulphonated aluminum phthalocyanine 185
- Lindner, W., see Lesnik, J. 3
- Litborn, E.  
—, Emmer, Å. and Roeraade, J.  
Chip-based nanovials for tryptic digest and capillary electrophoresis 11
- Liwo, A., see Zielińska, J. 317
- Lochner, F.  
—, Appleton, J., Keenan, F. and Cooke, M.  
Multi-element profiling of human deciduous teeth by laser ablation-inductively coupled plasma-mass spectrometry 299
- Méallet-Renault, R., see Delmarre, D. 125
- Müller, B.  
— and Stierli, R.  
In situ determination of sulfide profiles in sediment porewaters with a miniaturized Ag/Ag<sub>2</sub>S electrode 257
- Magi, E.  
—, Ianni, C. and Grotti, M.  
Study of amino acids by means of liquid chromatography mass spectrometry: optimization of the particle-beam interface 55
- Maj, K., see Zielińska, J. 317
- Makowski, M., see Zielińska, J. 317
- Malavolti, E.  
—, Cagnini, A., Caputo, G., Della Ciana, L. and Mascini, M.  
An optimized optrode for continuous potassium monitoring in whole blood 129
- Martínez-Vidal, J.L., see Arrebola, F.J. 45
- Martelet, C., see Senillou, A. 117
- Mascini, M., see Malavolti, E. 129
- McCreedy, T., see Zuotao, Z. 237
- Meuzelaar, H.L.C., see Statheropoulos, M. 35
- Meyer, J.  
— and Karst, U.  
Workplace monitoring of gas phase hydrogen peroxide by means of fluorescence spectroscopy 191
- Meyer, J., see Harms, D. 83
- Minami, H., see Zhang, Q. 277
- Němcová, I.  
—, Rychlovský, P., Havelcová, M. and Brabcová, M.  
Determination of heparin using flow injection analysis with spectrophotometric detection 223
- Nagels, L.J., see Poels, I. 21
- Newcombe, D.T.  
—, Cardwell, T.J., Cattrall, R.W. and Kolev, S.D.  
An optical redox chemical sensor based on ferroin immobilised in a Nafion<sup>®</sup> membrane 137
- Omanović, D., see Pižeta, I. 163
- Palomeque, M.  
—, Bautista, J.A. García, García Mateo, J.V. and Calatayud, J. Martínez  
Flow injection biamperometric determination of metronidazole with on-line photodegradation 229
- Pappa, A., see Statheropoulos, M. 35
- Pasternack, R.F., see Delmarre, D. 125
- Pesavento, M.  
—, Biesuz, R., Baffi, F. and Gnecco, C.  
Determination of metal ions concentration and speciation in seawater by titration with an iminodiacetic resin 265
- Petit, M. Dolores  
— and Rucandio, M. Isabel  
Sequential extractions for determination of cadmium distribution in coal fly ash, soil and sediment samples 283
- Pižeta, I.  
—, Omanović, D. and Branica, M.  
The influence of data treatment on the interpretation of experimental results in voltammetry 163
- Pingarrón, J.M., see Agüí, L. 145
- Poels, I.  
— and Nagels, L.J.  
Conducting polymer and oligomer micro-electrodes for the potentiometric detection of anions in capillary electrophoresis 21

- Ramirez Molina, C.  
—, Boujtita, M. and El Murr, N.  
A carbon paste electrode modified by entrapped toluidine blue-O for amperometric determination of L-lactate 155
- Rey, F., see Carballeira, J.L. 243
- Rey, F., see Iglesias-Fernández, O. 251
- Roeraade, J., see Litborn, E. 11
- Rucandio, M. Isabel, see Petit, M. Dolores 283
- Rychlovský, P., see Němcová, I. 223
- Sabry, S.M.  
— and Wahbi, A.A.M.  
Application of orthogonal functions to differential pulse voltammetric analysis. Simultaneous determination of tin and lead in soft drinks 173
- Sarinho, V.T., see Vêras, G. 215
- Schmid, R.D., see Bachmann, T.T. 95
- Senillou, A.  
—, Jaffrezic, N., Martelet, C. and Cosnier, S.  
A laponite clay-poly(pyrrole-pyridinium) matrix for the fabrication of conductimetric microbiosensors 117
- Shaw, M.J.  
—, Hill, S.J. and Jones, P.  
Chelation ion chromatography of metal ions using high performance substrates dynamically modified with heterocyclic carboxylic acids 65
- Spence, D.M., see Edwards, J.L. 209
- Spolnik, Z.M.  
—, Claes, M. and Van Grieken, R.  
Determination of trace elements in organic matrices by grazing-emission X-ray fluorescence spectrometry 293
- Statheropoulos, M.  
—, Pappa, A., Karamertzanis, P. and Meuzelaar, H.L.C.  
Noise reduction of fast, repetitive GC/MS measurements using principal component analysis (PCA) 35
- Stierli, R., see Müller, B. 257
- Tan, W., see Bang, L. 91
- Thanasoulas, N.K.  
—, Vlessidis, A. and Evmiridis, N.P.  
Influence of oxidant-species scavengers on the chemiluminescence (CL) emission generated during the oxidation of pyrogallol by hydrogen peroxide 197
- Townshend, A., see Zuotao, Z. 237
- Vêras, G.  
—, Honorato, R.S., Sarinho, V.T. and Araújo, M.C.U.  
A single solution for non-linear calibration in flow injection spectrophotometry. Kinetic determination of total protein in blood serum 215
- Van Grieken, R., see Spolnik, Z.M. 293
- Vlessidis, A., see Thanasoulas, N.K. 197
- Wahbi, A.A.M., see Sabry, S.M. 173
- Wang, E., see You, T. 29
- Westerheide, L., see Harms, D. 83
- Wróblewski, W.  
—, Chudy, M., Dybko, A. and Brzózka, Z.  
 $\text{NH}_4^+$ -sensitive chemically modified field effect transistors based on siloxane membranes for flow-cell applications 105
- Xu, D.  
— and Katsu, T.  
Lead-selective membrane electrode based on dibenzyl phosphate 111
- Xu, J.-G., see Li, D.-H. 185
- Yáñez-Sedeño, P., see Agüí, L. 145
- Yang, H.-H., see Li, D.-H. 185
- Yang, X., see You, T. 29
- You, T.  
—, Yang, X. and Wang, E.  
End-column amperometric detection of aesculin and aesculetin by capillary electrophoresis 29
- Zhang, Q.  
—, Minami, H., Inoue, S. and Atsuya, I.  
Preconcentration by coprecipitation of chromium in natural waters with Pd/8-quinolinol/tannic acid complex and its direct determination by solid-sampling atomic absorption spectrometry 277
- Zhen, H., see Li, D.-H. 185
- Zhu, Q.-Z., see Li, D.-H. 185
- Zuotao, Z.  
—, McCreedy, T. and Townshend, A.  
Flow-injection spectrophotometric determination of gold using 5-(4-sulphophenylazo)-8-aminoquinoline 237
- Zielińska, J.  
—, Makowski, M., Maj, K., Liwo, A. and Chmurzyński, L.  
Acid-base and hydrogen-bonding equilibria in aliphatic amine and carboxylic acid systems in non-aqueous solutions 317